

RAW SEQUENCE LISTING

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Application Serial Number: 10/776,330A
Source: IFW/b
Date Processed by STIC: 9/15/06

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IFW16

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/776,330A

DATE: 09/15/2006
TIME: 11:56:29

Input Set : A:\50810531.APP
Output Set: N:\CRF4\09152006\J776330A.raw

3 <110> APPLICANT: GALZI, JEAN-LUC
4 ALIX, PHILIPPE
6 <120> TITLE OF INVENTION: USE OF A FLUORESCENT PROTEIN FOR DETECTING INTERACTION
7 BETWEEN A TARGET PROTEIN AND ITS LIGAND
9 <130> FILE REFERENCE: 0508-1053-1
11 <140> CURRENT APPLICATION NUMBER: 10/776,330A
12 <141> CURRENT FILING DATE: 2004-02-12
14 <150> PRIOR APPLICATION NUMBER: 09/445,205
15 <151> PRIOR FILING DATE: 2000-01-07
17 <150> PRIOR APPLICATION NUMBER: PCT/FR98/01136
18 <151> PRIOR FILING DATE: 1998-06-04
20 <150> PRIOR APPLICATION NUMBER: FR 97/06977
21 <151> PRIOR FILING DATE: 1997-06-05
23 <160> NUMBER OF SEQ ID NOS: 25
25 <170> SOFTWARE: PatentIn Ver. 3.2
27 <210> SEQ ID NO: 1
28 <211> LENGTH: 798
29 <212> TYPE: DNA
30 <213> ORGANISM: Aequorea victoria
32 <220> FEATURE:
33 <221> NAME/KEY: CDS
34 <222> LOCATION: (1)..(795)
36 <400> SEQUENCE: 1
37 atg gtg agc aag ggc gag gag ctg ttc acc ggg gtg gtg ccc atc ctg 48
38 Met Val Ser Lys Gly Glu Glu Leu Phe Thr Gly Val Val Pro Ile Leu
39 1 5 10 15
41 gtc gag ctg gac ggc gac gta aac ggc cac aag ttc agc gtc tcc ggc 96
42 Val Glu Leu Asp Gly Asp Val Asn Gly His Lys Phe Ser Val Ser Gly
43 20 25 30
45 gag ggc gag ggc gat gcc acc tac ggc aag ctg acc ctg aag ttc atc 144
46 Glu Gly Glu Gly Asp Ala Thr Tyr Gly Lys Leu Thr Leu Lys Phe Ile
47 35 40 45
49 tgc acc acc ggc aag ctg ccc gtg ccc acc ctc gtc acc acc 192
50 Cys Thr Thr Gly Lys Leu Pro Val Pro Trp Pro Thr Leu Val Thr Thr
51 50 55 60
53 ctg acc tac ggc gtg cag tgc ttc agc cgc tac ccc aac cac atg aag 240
54 Leu Thr Tyr Gly Val Gln Cys Phe Ser Arg Tyr Pro Asp His Met Lys
55 65 70 75 80
57 cag cac gac ttc aag tcc gcc atg ccc gaa ggc tac gtc cag gag 288
58 Gln His Asp Phe Phe Lys Ser Ala Met Pro Glu Gly Tyr Val Gln Glu
59 85 90 95
61 cgc acc atc ttc ttc aag gac gac ggc aac tac aag acc cgc gcc gag 336
62 Arg Thr Ile Phe Phe Lys Asp Asp Gly Asn Tyr Lys Thr Arg Ala Glu

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63	100	105	110	
65	gtg aag ttc gag ggc gac acc ctg gtg aac cgc atc gag ctg aag ggc			384
66	Val Lys Phe Glu Gly Asp Thr Leu Val Asn Arg Ile Glu Leu Lys Gly			
67	115	120	125	
69	atc gac ttc aag gag gac ggc aac atc ctg ggg cac aag ctg gag tac			432
70	Ile Asp Phe Lys Glu Asp Gly Asn Ile Leu Gly His Lys Leu Glu Tyr			
71	130	135	140	
73	aac tac aac agc cac aac gtc tat atc atg gcc gac aag cag aag aac			480
74	Asn Tyr Asn Ser His Asn Val Tyr Ile Met Ala Asp Lys Gln Lys Asn			
75	145	150	155	160
77	ggc atc aag gtg aac ttc aag atc cgc cac aac atc gag gac ggc agc			528
78	Gly Ile Lys Val Asn Phe Lys Ile Arg His Asn Ile Glu Asp Gly Ser			
79	165	170	175	
81	gtg cag ctc gcc gac cac tac cag aac acc ccc atc ggc gac ggc			576
82	Val Gln Leu Ala Asp His Tyr Gln Gln Asn Thr Pro Ile Gly Asp Gly			
83	180	185	190	
85	ccc gtg ctg ctc gac aac cac tac ctg agc acc cag tcc gcc ctg			624
86	Pro Val Leu Leu Pro Asp Asn His Tyr Leu Ser Thr Gln Ser Ala Leu			
87	195	200	205	
89	agc aaa gac ccc aac gag aag cgc gat cac atg gtc ctg ctg gag ttc			672
90	Ser Lys Asp Pro Asn Glu Lys Arg Asp His Met Val Leu Leu Glu Phe			
91	210	215	220	
93	gtg acc gcc gcc ggg atc act ctc ggc atg gac gag ctg tac aag tac			720
94	Val Thr Ala Ala Gly Ile Thr Leu Gly Met Asp Glu Leu Tyr Lys Tyr			
95	225	230	235	240
97	tca gat ctc gag ctc aag ctt cga att ctg cag tcg acg gta ccg cgg			768
98	Ser Asp Leu Glu Leu Lys Leu Arg Ile Leu Gln Ser Thr Val Pro Arg			
99	245	250	255	
101	gcc cgg gat cca ccg gat cta gat aac tga			798
102	Ala Arg Asp Pro Pro Asp Leu Asp Asn			
103	260	265		
106	<210> SEQ ID NO: 2			
107	<211> LENGTH: 265			
108	<212> TYPE: PRT			
109	<213> ORGANISM: Aequorea victoria			
111	<400> SEQUENCE: 2			
112	Met Val Ser Lys Gly Glu Glu Leu Phe Thr Gly Val Val Pro Ile Leu			
113	1	5	10	15
115	Val Glu Leu Asp Gly Asp Val Asn Gly His Lys Phe Ser Val Ser Gly			
116	20	25	30	
118	Glu Gly Glu Gly Asp Ala Thr Tyr Gly Lys Leu Thr Leu Lys Phe Ile			
119	35	40	45	
121	Cys Thr Thr Gly Lys Leu Pro Val Pro Trp Pro Thr Leu Val Thr Thr			
122	50	55	60	
124	Leu Thr Tyr Gly Val Gln Cys Phe Ser Arg Tyr Pro Asp His Met Lys			
125	65	70	75	80
127	Gln His Asp Phe Phe Lys Ser Ala Met Pro Glu Gly Tyr Val Gln Glu			
128	85	90	95	
130	Arg Thr Ile Phe Phe Lys Asp Asp Gly Asn Tyr Lys Thr Arg Ala Glu			

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131	100	105	110
133	Val Lys Phe Glu Gly Asp Thr Leu Val Asn Arg Ile Glu Leu Lys Gly		
134	115	120	125
136	Ile Asp Phe Lys Glu Asp Gly Asn Ile Leu Gly His Lys Leu Glu Tyr		
137	130	135	140
139	Asn Tyr Asn Ser His Asn Val Tyr Ile Met Ala Asp Lys Gln Lys Asn		
140	145	150	155
142	Gly Ile Lys Val Asn Phe Lys Ile Arg His Asn Ile Glu Asp Gly Ser		
143	165	170	175
145	Val Gln Leu Ala Asp His Tyr Gln Gln Asn Thr Pro Ile Gly Asp Gly		
146	180	185	190
148	Pro Val Leu Leu Pro Asp Asn His Tyr Leu Ser Thr Gln Ser Ala Leu		
149	195	200	205
151	Ser Lys Asp Pro Asn Glu Lys Arg Asp His Met Val Leu Leu Glu Phe		
152	210	215	220
154	Val Thr Ala Ala Gly Ile Thr Leu Gly Met Asp Glu Leu Tyr Lys Tyr		
155	225	230	235
157	Ser Asp Leu Glu Leu Lys Leu Arg Ile Leu Gln Ser Thr Val Pro Arg		
158	245	250	255
160	Ala Arg Asp Pro Pro Asp Leu Asp Asn		
161	260	265	
164	<210> SEQ ID NO: 3		
165	<211> LENGTH: 5		
166	<212> TYPE: PRT		
167	<213> ORGANISM: Artificial Sequence		
169	<220> FEATURE:		
170	<223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic spacer sequence		
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173	Gly Gly Gly Gly Ser		
174	1	5	
179	<210> SEQ ID NO: 4		
180	<211> LENGTH: 6		
181	<212> TYPE: PRT		
182	<213> ORGANISM: Artificial Sequence		
184	<220> FEATURE:		
185	<223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic cyclopeptide		
187	<400> SEQUENCE: 4		
188	Gln Trp Phe Gly Leu Met		
189	1	5	
192	<210> SEQ ID NO: 5		
193	<211> LENGTH: 29		
194	<212> TYPE: DNA		
195	<213> ORGANISM: Artificial Sequence		
197	<220> FEATURE:		
198	<223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic oligonucleotide		
200	<400> SEQUENCE: 5		
201	ggtcgccacc ctgtacaaga agggcgagg		29
204	<210> SEQ ID NO: 6		
205	<211> LENGTH: 36		

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206 <212> TYPE: DNA
 207 <213> ORGANISM: Artificial Sequence
 209 <220> FEATURE:
 210 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic oligonucleotide

212 <400> SEQUENCE: 6
 213 cacgagagga tggtaaaaaacccat ccaacgcgcaca gtcacc 36
 216 <210> SEQ ID NO: 7
 217 <211> LENGTH: 44
 218 <212> TYPE: DNA
 219 <213> ORGANISM: Artificial Sequence
 221 <220> FEATURE:
 222 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic oligonucleotide

224 <400> SEQUENCE: 7
 225 gtaccccgac accagcttagc agatctgaag cttcgccatc aggc 44
 228 <210> SEQ ID NO: 8
 229 <211> LENGTH: 39
 230 <212> TYPE: DNA

231 <213> ORGANISM: Artificial Sequence
 233 <220> FEATURE:
 234 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
 236 <400> SEQUENCE: 8

237 ggagagttcc aactcgagaa aagaaaagaag ggcgaggag 39
 240 <210> SEQ ID NO: 9
 241 <211> LENGTH: 36
 242 <212> TYPE: DNA

243 <213> ORGANISM: Artificial Sequence
 245 <220> FEATURE:
 246 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
 248 <400> SEQUENCE: 9

249 gtcagctgtt tctgcggcgc gctaaggctg ggcatt 36
 252 <210> SEQ ID NO: 10
 253 <211> LENGTH: 51
 254 <212> TYPE: DNA

255 <213> ORGANISM: Artificial Sequence
 257 <220> FEATURE:
 258 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
 260 <400> SEQUENCE: 10

261 ttagttctaa actagcgccc gcactagtcc tccatgaaca cttcagcccc a 51
 264 <210> SEQ ID NO: 11
 265 <211> LENGTH: 42
 266 <212> TYPE: DNA

267 <213> ORGANISM: Artificial Sequence
 269 <220> FEATURE:
 270 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
 272 <400> SEQUENCE: 11

273 cttaaaccta tagcttagcct cgagtcagca ttggcgggag gg 42
 276 <210> SEQ ID NO: 12
 277 <211> LENGTH: 28
 278 <212> TYPE: DNA

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279 <213> ORGANISM: Artificial Sequence
 281 <220> FEATURE:
 282 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic oligonucleotide

284 <400> SEQUENCE: 12
 285 cctgctgtct cagatctcat caccgtcc 28

288 <210> SEQ ID NO: 13

289 <211> LENGTH: 47

290 <212> TYPE: DNA

291 <213> ORGANISM: Artificial Sequence

293 <220> FEATURE:

294 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic oligonucleotide

296 <400> SEQUENCE: 13 47

297 cagatcattta gttgtacagg aaagatcttg aggatcctgg agtgaag

300 <210> SEQ ID NO: 14

301 <211> LENGTH: 29

302 <212> TYPE: DNA

303 <213> ORGANISM: Artificial Sequence

305 <220> FEATURE:

306 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic oligonucleotide

308 <400> SEQUENCE: 14 29

309 ggcccaagct tatgtcagga tccggggat

312 <210> SEQ ID NO: 15

313 <211> LENGTH: 30

314 <212> TYPE: DNA

315 <213> ORGANISM: Artificial Sequence

317 <220> FEATURE:

318 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic oligonucleotide

320 <400> SEQUENCE: 15 30

321 cgcccgctcg agtcacaagc ccacagatat

324 <210> SEQ ID NO: 16

325 <211> LENGTH: 21

326 <212> TYPE: DNA

327 <213> ORGANISM: Artificial Sequence

329 <220> FEATURE:

330 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic oligonucleotide

332 <400> SEQUENCE: 16 21

333 gttgacaaggc ttccggatcc a

336 <210> SEQ ID NO: 17

337 <211> LENGTH: 78

338 <212> TYPE: DNA

339 <213> ORGANISM: Artificial Sequence

341 <220> FEATURE:

342 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic oligonucleotide

345 <400> SEQUENCE: 17 60

346 agcacagagg gcagtagcaa tgaggatgac agcgaggcgt gccgcggaga ctttcattgg

347 atccccaaat ttatcaac 78

350 <210> SEQ ID NO: 18

351 <211> LENGTH: 78
352 <212> TYPE: DNA

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/776,330A

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